

METHOD AND APPARATUS FOR NON-CONTACT MONITORING OF CELLULAR BIOACTIVITY

ABSTRACT

- 5 A method and an apparatus for non-contact (non-invasive) monitoring the cellular bioactivity by means of tracking the impedance changes which occur due to the transition movements and reactions of ionized molecules across the cellular membrane, or by tracking the cellular movement or flow within the body. Tracking the impedance changes is based on the
- 10 transmission line impedance match and mismatch phenomena, by means of monitoring the slight match and mismatch variations between the resultant impedance of the body being monitored and the output impedance of a stable source of EMW.